

What is claimed as new and desired to be protected by Letters Patent is set forth in the appended claims.

**Amendment to the Claims:**

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This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Amended) A method for memory allocation for images ~~, characterized in that~~  
~~when storing, in operating memory (1), data describing~~ comprising the  
following steps:  
dividing an image (10) ; the image (10) is divided into lines ; and each  
line is described by a;  
forming separate subsets of data, each subset of data comprising one  
line;  
creating one set from all subsets of data when the size of at least one of  
free segments of operating memory (1) is at least equal to the size of all  
subsets of data;  
successively creating sets of data from the subsets of data, the sets  
having the size not larger than the size of free segments of operating  
memory; and  
allocating each created set of data in operating memory, from which at  
least one set of data is created, to which a free segment of operating  
memory (1) is assigned, and the creation of sets of data is performed  
until data describing the whole image (10) is allocated in the operating  
memory sets of data ; and when reading the image (10), consecutive  
lines are read from the operating memory (1), until the whole image  
(10) is read

Claim 2 (Amended) The method according to claim 1 ~~, characterized in that~~ wherein the  
sets of data are created from the subsets of data describing the  
consecutive lines of the image (10).

Claims 3-7 (Canceled)

Claim 8 (Amended) The method according to claim 3 ~~, characterized in that~~ 1, wherein each  
line is assigned a number.

Claim 9 (Amended) The method according to claim 3, ~~characterized in that~~ 1, wherein simultaneously with allocating, ~~the~~ a table of pointers to individual lines is filled.

Claim 10 (Amended) The method according to claim 3, ~~characterized in that~~ 9, wherein the table of pointers to individual lines comprises the memory address of each line of the image.

Claim 11 (New) A method for memory allocation for images, comprising the steps of:  
while storing the data describing an image (10) in operating memory  
(1) dividing the image into lines, each line being described by a separate subset of data;  
creating at least one set of data from the subsets of data which have not been allocated in operating memory yet, and allocating each set of data in a separate free segment of operating memory until data describing the whole image (10) is allocated in operating memory, wherein the size of each successive set of data is not larger than the size of the set of data created before it and the size of the largest free segment of the operating memory at the time of creating the set of data; and  
while reading the image (10), reading consecutive lines from the operating memory (1) until the whole image (10) is read.

Claim 12 (New) The method according to claim 11, wherein before creating the set of data, the size of the largest free block of operating memory (1) is determined and the size of the set of data to be created is equal to the size of the maximum number of subsets of data that can be allocated in that free segment of operating memory (1).

Claim 13 (New) The method according to claim 11, wherein before storing the set of data in operating memory (1), an attempt to allocate the set in operating memory is made and if that is unsuccessful, the size of the set of data is decreased.

Claim 14 (New) The method according to claim 13, wherein each set of data contains subsets of data describing an integer multiple of lines.

- Claim 15 (New)      The method according to claim 13, wherein the size of the set of data is decreased by dividing by a predetermined factor.
- Claim 16 (New)      The method according to claim 13, wherein the size of the set of data is decreased by a predetermined number.
- Claim 17 (New)      The method according to claim 16, wherein the predetermined number is proportional to the number of subsets of data which have not been stored in operating memory yet.
- Claim 18 (New)      The method according to claim 11, wherein each line is assigned a number.
- Claim 19 (New)      The method according to claim 11, wherein simultaneously with allocating the subsets of data in operating memory (1), the table of pointers to individual lines is filled.
- Claim 20 (New)      The method according to claim 19, wherein the table of pointers to individual lines comprises the memory address of each line of the image.
- Claim 21 (New)      A method for memory allocation for images comprising the following steps:  
dividing an image into lines;  
forming separate subsets of data, each subset of data comprising one line;  
finding the largest free segment of an operating memory and determining the size of the largest free segment;  
creating a set of data from the separate subsets of data, the set of data being not larger than the largest free segment;  
allocating the set of data in the largest free segment; and  
successively creating sets of data from remaining subsets of data corresponding to remaining largest free segments of operating memory and allocating the sets of data in the remaining free segments of

operating memory until data describing the whole image is allocated in the operating memory.